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**Chris, E.**; 410 Milan Drive, #116, San Jose, CA 95134 (US). **SUNNER, Gurminder**; 2664 Glen Hancock Court, San Jose, CA 95148 (US). **REGNIER, Alain**; 902 W. Remington Drive, #9B, Sunnyvale, CA 94087 (US). **MO-HAN, Sunil**; 18400 Overlook Road, #31, Los Gatos, CA 95030 (US).

(74) Agents: **LO, Sze-Hang** et al.; Fenwick & West LLP, Two Palo Alto Square, Palo Alto, CA 94306 (US).

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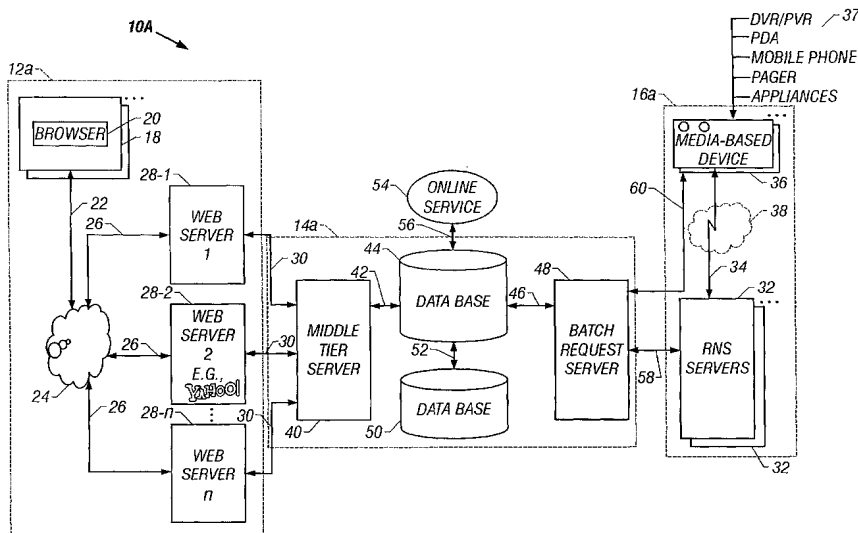
(71) Applicant: **REPLAYTV, INC.** [US/US]; 2841 Mission College Boulevard, Santa Clara, CA 95054 (US).

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(72) Inventors: **SWEATT, Millard, E., III**; 542 Bay Road, Menlo Park, CA 94025 (US). **WOODWARD, Don**; 610 Nandell Lane, Los Altos, CA 94024 (US). **MATICHUK,**

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND SYSTEM FOR REMOTE TELEVISION REPLAY CONTROL



(57) Abstract: A method, system, computer medium, and other embodiments for integrating unrelated web hosted services with stand-alone media-based devices are provided. Users can access and control the media-based device conveniently with a web-browser through various portal on the Internet. An application program interface allows the various web servers and portals to take advantage of the system. In one embodiment, users access the media-based device through one or more unrelated web portals, so as to control and to program the media-based device in a single web session, and to see information both stored on the media-based device and originating from third-party online sources of information and services in a single integrated presentation.



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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H04N7/16

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages  | Relevant to claim No. |
|------------|---|-----------------------|
| X          | J. MORRIS, J. TAYLOR: "Hits & Hype"<br>ZDNET REVIEWS, 'Online!<br>7 August 2000 (2000-08-07), XP002197808<br>Retrieved from the Internet:<br><URL:http://www.zdnet.com><br>'retrieved on 2002-04-29!<br>the whole document<br>--- | 1-59                  |
| A          | WO 98 10589 A (STARSIGHT TELECAST INC)<br>12 March 1998 (1998-03-12)<br>abstract<br>page 2, line 26 - line 31<br>page 17, line 1 -page 18, line 29<br>figure 13<br>-----<br>-/--  | 1-59                  |



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Fantini, F

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| A          | EP 0 854 645 A (TEXAS INSTRUMENTS INC)<br>22 July 1998 (1998-07-22)<br>column 3, line 33 -column 4, line 58<br>column 5, line 54 -column 6, line 26<br>column 8, line 47 - line 55<br>column 9, line 12 -column 10, line 10<br>column 21, line 27 - line 45<br>figure 1<br>----- | 1-59                  |
| A          | WO 97 13368 A (BRIEN SEAN ANDREW O ;MILNES<br>KENNETH ALAN (US); SCHEIN STEVEN MICHA)<br>10 April 1997 (1997-04-10)<br>abstract<br>page 3, line 5 - line 11<br>page 4, line 37 -page 5, line 20<br>page 26, line 12 -page 27, line 11<br>-----                                   | 1-59                  |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s)   | Publication<br>date  |
|---|---|---------------------|--|--|
| WO 9810589                                | A | 12-03-1998          | AU 4175797 A<br>WO 9810589 A1  | 26-03-1998<br>12-03-1998   |
| EP 0854645                                | A | 22-07-1998          | EP 0854645 A2<br>JP 10207914 A<br>SG 67469 A1<br>TW 435046 B<br>US 6163316 A   | 22-07-1998<br>07-08-1998<br>21-09-1999<br>16-05-2001<br>19-12-2000   |
| WO 9713368                                | A | 10-04-1997          | AU 7387196 A<br>BR 9611064 A<br>CA 2232003 A1<br>CN 1200221 A<br>EP 0880856 A1<br>JP 10512420 T<br>WO 9713368 A1<br>US 6263501 B1<br>US 6002394 A<br>US 6323911 B1<br>US 6075575 A<br>US 2002019981 A1 | 28-04-1997<br>13-07-1999<br>10-04-1997<br>25-11-1998<br>02-12-1998<br>24-11-1998<br>10-04-1997<br>17-07-2001<br>14-12-1999<br>27-11-2001<br>13-06-2000<br>14-02-2002 |